

WHAT IS CLAIMED IS:

1. An absorption chiller-heater comprising:  
an exhaust gas flow path in which an exhaust gas flows;  
an exhaust gas fired regenerator provided on said exhaust  
gas flow path so as to be heated by said exhaust gas;  
a cooling medium solution passage supplying a first  
solution of a cooling medium which is collected by an absorber  
to said exhaust gas fired regenerator; and  
an exhaust gas heat collector provided on said cooling  
medium solution passage for carrying out heat exchange between  
said first solution and said exhaust gas.
  
2. An absorption chiller-heater according to claim 1,  
further comprising:  
15 a low temperature heat exchanger provided on an upstream  
side of said cooling medium solution passage with respect to  
a flow of said first solution therein for carrying out heat  
exchange between said first solution and a second of said  
cooling medium; and  
20 a high temperature heat exchanger provided on a  
downstream side of said diluted solution passage with respect  
to said flow of said first solution therein for carrying out  
heat exchange between said first solution and a third solution  
of said cooling medium;  
25 wherein said exhaust gas heat collector is provided on

said cooling medium solution passage between the low temperature heat exchanger and the high temperature heat exchanger.

5 3. The absorption chiller-heater according to Claim 1,  
wherein said exhaust gas fired regenerator and said exhaust  
gas heat collector are integrated into a single unit.

4. The absorption chiller-heater according to Claim 1,  
10 wherein a first unit is integrally formed with a second  
regenerator, a condenser, the absorber and an evaporator, and  
a second unit which is integrally formed with the exhaust  
gas fired regenerator and the exhaust gas heat collector is  
mounted on said first unit.